

AMENDMENT UNDER 37 C.F.R. § 1.116
Application No.: 09/987,639
Atty Docket No.: Q67304

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1. (currently amended): A light-emitting device comprising:
a pair of electrodes formed on a substrate; and
organic compound layers provided in between the electrodes,
wherein the organic compound layers comprise a light-emitting layer comprising a hole-transporting material and a phosphorescent compound and an electron-transporting layer comprising an electron-transporting material, and an ionization potential of the electron-transporting material is 5.9 eV or more; and wherein the electron-transporting material is at least one of an aromatic heterocyclic compound which has a triazine skeleton.

Claim 2. (original): The light-emitting device according to claim 1, wherein a minimum excitation triplet energy level of the electron-transporting material is from 60 kcal/mol to 90 kcal/mol.

Claim 3. (original): The light-emitting device according to claim 1, wherein an electron mobility of the electron-transporting material is $1 \times 10^{-4} \text{ cm}^2 \cdot \text{V}^{-1} \cdot \text{s}^{-1}$ or more in an electric field of $1 \times 10^5 \text{ V} \cdot \text{cm}^{-1}$.

Claims 4 to 7. (canceled).

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Claim 8. (original): The light-emitting device according to claim 1, wherein the content of the electron-transporting material is from 20 to 100% by weight based on the total content of the electron-transporting layer.

Claim 9. (original): The light-emitting device according to claim 1, wherein at least one of the organic compound layers is formed by a coating method.

Claim 10. (original): The light-emitting device according to claim 1, wherein the phosphorescent compound comprises one of orthometallated metal complex and porphyrin metal complex.

Claim 11. (original): The light-emitting device according to claim 10, wherein the orthometallated metal complex comprises one of rhodium, platinum, gold, iridium, ruthenium and palladium.

Claim 12. (original): The light-emitting device according to claim 1, wherein the content of the phosphorescent compound is from 0.1 to 70% by weight based on the total content of the light-emitting layer.

Claim 13. (currently amended): A light-emitting device comprising:
a pair of electrodes formed on a substrate; and
organic compound layers provided in between the electrodes;
wherein the organic compound layers comprise a hole-transporting layer comprising a hole-transporting material, a light-emitting layer comprising a phosphorescent compound and an electron-transporting layer comprising an electron-transporting material, and an ionization potential of the electron-transporting material is 5.9 eV or more; and wherein the electron-

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transporting material is at least one of an aromatic heterocyclic compound which has a triazine skeleton.

Claim 14. (original) The light-emitting device according to claim 13, wherein a minimum excitation triplet energy level of the electron-transporting material is from 60 kcal/mol to 90 kcal/mol.

Claim 15. (original): The light-emitting device according to claim 13, wherein an electron mobility of the electron-transporting material is $1 \times 10^{-4} \text{ cm}^2 \cdot \text{V}^{-1} \cdot \text{s}^{-1}$ or more in an electric field of $1 \times 10^5 \text{ V} \cdot \text{cm}^{-1}$.

Claims 16 to 19. (canceled):

Claim 20. (original): The light-emitting device according to claim 13, wherein the content of the electron-transporting material is from 20 to 100% by weight based on the total content of the electron-transporting layer.

Claim 21. (original): The light-emitting device according to claim 13, wherein at least one of the organic compound layers is formed by a coating method.

Claim 22. (original): The light-emitting device according to claim 13, wherein the phosphorescent compound comprises one of orthometallated metal complex and porphyrin metal complex.

Claim 23. (original): The light-emitting device according to claim 22, wherein the orthometallated metal complex comprises one of rhodium, platinum, gold, iridium, ruthenium and palladium.

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Claim 24. (original): The light-emitting device according to claim 13, wherein the content of the phosphorescent compound is from 0.1 to 70% by weight based on the total content of the light-emitting layer.

Claims 25 and 26. (canceled):